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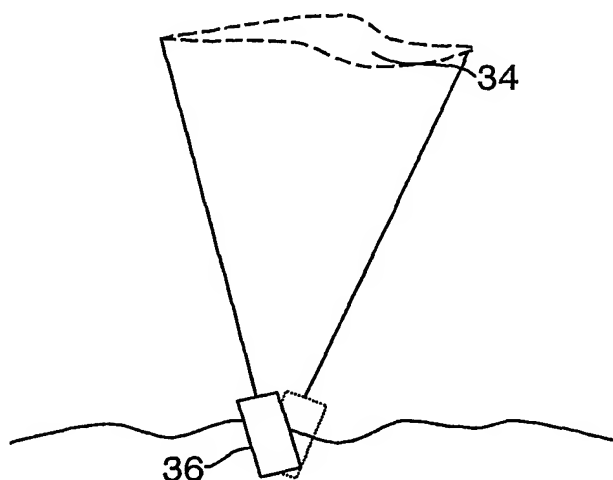
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- (71) Applicant (for all designated States except US): **QINETIQ LIMITED** [GB/GB]; Registered Office, 85 Buckingham Gate, London SW1E 6PD (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **SMITH, David**, Arthur [GB/GB]; QinetiQ Limited, Malvern Technology Centre, Bldg A, Room 709, St Andrews Road, Malvern WR14 3PS (GB). **HARRIS, Michael** [GB/GB]; QinetiQ Limited, Malvern Technology Centre, Bldg P, Room D313, St Andrews Road, Malvern WR14 3PS (GB).
- (74) Agent: **DUNN, Paul**; QinetiQ Ltd, IP Formalities, Cody Technology Park, A4 Building, Room G016, Ively Road, Farnborough, Hampshire GU14 0LX (GB).
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(54) Title: WIND SPEED MEASUREMENT APPARATUS AND METHOD



(57) Abstract: A buoyant platform apparatus (36), such as a buoy, is described that comprises a laser radar (lidar) wind speed measurement (20) device. The lidar (22) is arranged to make wind velocity measurements at one or more remote probe volumes of known position relative to said platform (36). The wind speed measurement apparatus may further comprise motion sensing means (26) that, in use, monitor motion of the platform (36) allowing wind speed at an absolute position in space to be measured. Wind velocity data may also be compensated for platform movement.